Claims

1. A data search method comprising:

a search condition input step inputting search condition through a user terminal connected to an electric communication network; and

5   a batch processing search step performing search in a batch processing,

wherein the batch processing step includes: a transmission subroutine for transmitting the search condition to one or more database servers having search engines through the electric communication network,

a first reception subroutine for receiving one or more search results searched by

10   the search engines of the database servers according to the search condition through the electric communication network, and

a second reception subroutine for receiving data associated with the search results through the electric communication network.

15   2. The method of claim 1, wherein the search condition input step further includes a server selection step for selecting the database server.

3. The method of claim 2, wherein, in the server selection step, a domain address of the database server is directly inputted.

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4. The method of claim 3 or 4, wherein, in the server selection step, one or more database servers from a server list are selected.

5. The method of claim 3 or 4, wherein the server selection step further includes

25   the step for adding the database servers to the server list.

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6. The method of claim 1, wherein, in the search condition input step, the search
condition is inputted corresponding to the input condition required for the search engine
of the database server.

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7. The method of claim 1 or 6, wherein the search condition is keywords.

8. The method of claim 1 or 6, wherein the search condition includes time
attributes.

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9. The method of claim 1 or 6, wherein the search condition includes:

a transmission search condition that is transmitted to the search engine of the
database server; and

a required-data condition given to the data received at the second reception

15   subroutine.

10. The method of claim 9, wherein the required-data condition includes file
type and a creation date of the data.

20   11. The method of claim 1, wherein the transmission subroutine further includes
a conversion subroutine for converting the inputted search condition so as to have a type
required for the search engine of the database server.

12. The method of claim 1, wherein the batch processing search step further
25   includes a comparison/decision subroutine for determining whether or not the data

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received at the second reception subroutine satisfy the search condition inputted at the search condition input step.

13. The method of claim 1, wherein the batch processing search step further includes a data storage subroutine for storing the data received at the second reception subroutine in the user terminal.

14. The method of claim 13, wherein, in the data storage subroutine, the data received at the second reception subroutine, is stored after being processed.

15. The method of claim 13, wherein, in the data storage subroutine, the data received at the second reception subroutine, is stored after being removed an advertisement part from the received data.

16. The method of claim 13, wherein, in the data storage subroutine, the data received at the second reception subroutine, is stored after being editing online elements from the received data so as to be used in off-line.

17. The method of claim 13, wherein, in the data storage subroutine, the received data, is compared with the previously stored data and is stored when the received data differs from the previously store data.

18. The method of claim 13, wherein, in the data storage subroutine, the data received at the second reception subroutine is stored after being added a preset value.

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19. The method of claim 18, wherein, in the data storage subroutine, the data received at the second reception subroutine, is stored after being added database server information associated with the database server transmitted the data and copyright information of the data.

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20. The method of claim 1, further comprising a processing step for processing the data stored in the user terminal after the batch processing search step.

21. The method of claim 20, wherein the data is converted to an identical form at the processing step.

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22. The method of claim 20, wherein the received data is combined as one file in the processing step.

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23. The method of claim 1, wherein the batch processing step is periodically repeated at preset time intervals.

24. The method of claim 1, wherein the batch processing step is repeated in real time.

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25. The method of claim 1, wherein the search condition includes log-in information for accessing the database server requiring a log-in process.

26. The method of any of claims 1 to 3, 6, and 11 to 25, wherein the database server is an intellectual property database server.

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27. The method of any of claims 1 to 3, 6, and 11 to 25, wherein the database server is an Internet shopping mall database server.

5   28. The method of any of claims 1 to 3, 6, and 11 to 25, wherein the database server is an article database server.

29. The method of any of claims 1 to 3, 6, and 11 to 25, further comprising a web page display step for displaying a web page corresponding to the selected domain

10   address.

30. A computer program being executable in accordance with any one of the methods of claims 1 to 3, 6, and 11 to 25.

15   31. A storage medium for storing the computer program of claim 30.

32. A method for transmitting and receiving the computer program of claim 30 through an electric communication network.

20   33.   A method for scrapping using the Internet comprising the steps of:

searching target information by inputting keywords using a search function of a search site through a user computer with online connection;

accessing a web server of the search site through an HTTP protocol automatically set at the user computer;

25   transmitting a query for searching at the web server of the connected search site;

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transmitting one or more search results retrieved at one or more database servers as results of the query which is received by the web server;

downloading the searched data through the HTTP protocol;

removing unnecessary data among the downloaded data;

5   storing the data remained after the unnecessary data are removed;

editing, processing, and managing the data stored in a local storage medium using a program included in the user computer.

34. The method of claim 33, wherein the program (data processing engine
10   software) of the user computer automatically and periodically updates the data associated with a search word designated by the user.

35. The method of claim 33, wherein the unnecessary data is various advertisements data and unnecessary links.

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36. The method of claim 33, wherein image data link conversions are performed in such a way that in case of images associated with the contents the online links are converted into off-line links.

20   37. The method of claim 33, wherein the searched data is any one of online newspaper, magazine, and web document.

38. The method of claim 33, further comprising the step of minimizing storing time and space by removing the unnecessary tag parts and storing necessary parts from
25   the downloaded data.

39. The method of claim 33, wherein the program (data processing engine software) included in the user computer automatically converts the contents of the downloaded and stored HTML document for using the additional data such as images at
5   the local storage medium.

40. The method of claim 33, wherein the program (data processing engine software) included in the user computer converts the files downloaded and stored in the local storage medium into one or more files and then stores the same.
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41. The method of claim 33, wherein the local storage medium is any one of a floppy disc, a hard disc, a compact disc, and a flash memory.